20th Anniversary 1970–1990
National Oceanic and Atmospheric Administration
"Serving The Nation"
John A. Knauss, Administrator

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices.

Formerly C&GS 1111, 1st Ed., Apr. 1914 C-1814-143

SOUNDINGS IN FATHOMS

Nautical Chart Catalog No. 1, Panel C

11480 OMEGA OVERPRINTED

NOAA
NATIONAL OCEAN SERVICE

UNITED STATES — EAST COAST

CHARLESTON LIGHT TO CAPE CANAVERAL

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

Mercator Projection
Scale 1:440,659 at Lat. 30°30'
North American Datum of 1983
(World Geodetic System 1984)

(For offshore navigation only)

OMEGA LINEAR INTERPOLATOR

For Symbols and Abbreviations see Chart No. 1

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the U.S. Coast Guard and Defense Mapping Agency.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 do not require conversion to NAD 83 for plotting on this chart.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE F
Depths are from survey dated 1978.

NOTE G
Grays Reef National Marine Sanctuary (protected area: 15 CFR 938).

NOTE E
The positions of Fish Havens charted in the vicinity of St Johns River Entrance are approximate, and are usually marked with orange and white buoys.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 4. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District at Miami, Florida, or at the Office of the District Engineer, Corps of Engineers in Jacksonville, Florida.
Refer to charted regulation section numbers.

OMEGA
GENERAL EXPLANATION
Basic Frequency ..... 10.2 kHz

SOUTH CAROLINA

GEORGIA

FLORIDA

ATLANTIC OCEAN

EDISTO ISLAND

PORT ROYAL SOUND

ST. HELENA SOUND

SAVANNAH

ST CATHERINES SOUND

ST MARYS ENTRANCE

ST JOHNS ENTRANCE

Jacksonville Beach

Fernandina Beach

DUMP SITES
(See Note S)

EXPLOSIVES DUMPING AREA DISUSED

DANGER AREA

ANCHORAGE AREA

Unexploded Ordnance Rep 1969

Unexploded Ordnance Rep 1968

Unexploded Ordnance Rep 1970

Unexploded Ordnance Rep 1981

LIONS CHART (1530)

GEORGIA

NOTE F
Depths are from survey dated 1978.

NOTE G
Grays Reef National Marine Sanctuary (protected area) 15 CFR 936.

NOTE E
The positions of Fish Havens charted in the vicinity of St Johns River Entrance are approximate and are usually marked with orange and white buoys.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 4. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, Florida, or at the Office of the District Engineer, Corps of Engineers in Jacksonville, Florida.
Refer to charted regulation section numbers.

OMEGA
GENERAL EXPLANATION
Basic Frequency ..... 10.2 kHz.

PAIRS ON THIS CHART
CD DF CF AC AD

OMEGA STATIONS: (A – Aldra, Norway) (B – Monrovale, Liberia) (C – Haiku, Hawaii) (D – La Moure, North Dakota) (E – La Reunion Island, France) (F – Golfo Nuevo, Argentina) (G – Woodside, Australia) (H – Tsushima, Japan)

Propagation corrections must be used for plotting and reading OMEGA positions on this chart. OMEGA Propagation Correction publications are indexed and listed with prices in Defense Mapping Agency Pub. 1-N-A. Pub. 1-N-A is available at Defense Mapping Agency sales agents and many National Ocean Service sales agents, or it may be obtained directly from:

Defense Mapping Agency
Office of Distribution Services
Attention: DDCP
Washington, D.C. 20315

NOTE C
DANGER AREA
Area is open to unrestricted surface navigation but all vessels are cautioned neither to anchor, dredge, trawl, lay cables, bottom, nor conduct any other similar type of operation because of residual danger from mines on the bottom.
Anchorage in the designated area is at your own risk.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

NOTE B
Trawlers or other vessels should exercise caution while dragging the ocean floor within a 60-mile radius of Cape Canaveral, Florida, since it is known that outside debris, some of which may contain unexploded ordnance, exists in the area.

NOTE D
WEATHER ROCKET IMPACT AREA
Mariners are cautioned against possible hazards in the impact area due to falling rocket casings. Hazard may exist during hours 1930-2100 Eastern Standard Time, Monday through Friday.

CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Publication 117.
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
⊙(Accurate location) ⊙(Approximate location)

ATLANTIC OCEAN

FLORIDA

EXPLOSIVES DUMPING AREA DISUSED

Unexploded Ordnance Rep 1970

Unexploded Ordnance Rep 1965

Unexploded Ordnance Rep 1963

Red Snapper Sink (Actual depth unknown)

DANGER AREA (See plan, note A)

PROHIBITED AREA (during firing periods) 324.130

CAUTION (see note B)

CAPE CANAVEROL

OMEGA LINEAR INTERPOLATOR

(LORAN CHART 11460)

30th Ed., Feb. 15/91

11480
OMEGA OVERPRINTED

C55:418/7:11480/991

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

SOUNDINGS IN FATHOMS

For LORAN-C coverage see reverse side

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

(Charleston Light to Cape Canaveral)
SOUNDINGS IN FATHOMS - SCALE 1:449,659

11480
OMEGA OVERPRINTED

200th Anniversary 1970-1990
National Oceanic and Atmospheric Administration
"Serving The Nation"
John A. Knauss, Administrator

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

NOTE 5
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices.

Formerly C&GS 1111, 1st Ed., Apr. 1914 C-1914-143

SOUNDINGS IN FATHOMS

Nautical Chart Catalog No. 1, Panel C

11480 LORAN-C OVERPRINTED

UNITED STATES — EAST COAST

CHARLESTON LIGHT TO CAPE CANAVERAL

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

Mercator Projection
Scale 1:449,659 at Lat. 30°30'
North American Datum of 1983
(World Geodetic System 1984)

(For offshore navigation only)

LORAN LINEAR INTERPOLATOR

For Symbols and Abbreviations see Chart No. 1

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the U.S. Coast Guard and Defense Mapping Agency.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 do not require conversion to NAD 83 for plotting on this chart.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE F
Depths are from survey dated 1979.

NOTE G
Grays Reef National Marine Sanctuary (protected area; 15 CFR 938).

NOTE E
The positions of Fish Havens charted in the vicinity of St Johns River Entrance are approximate and are usually marked with orange and white buoys.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 4. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, Florida, or at the Office of the District Engineer, Corps of Engineers in Jacksonville, Florida.
Refer to charted regulation section numbers.

SOUTH CAROLINA

GEORGIA

FLORIDA

ATLANTIC OCEAN

Unexploded Ordnance Rep 1969

Unexploded Ordnance Rep 1970

EXPLOSIVES DUMPING AREA DISUSED

Unexploded Ordnance Rep 1980

DANGER AREA (R-3002) (see note A)

DUMP SITES (dredged material) (see Apb 5)

Red Snapper Bank (Rocks and wrecks)

LORAN-C CHAIN 7980-1 45300

LORAN-C CHAIN 7980-2 44600

LORAN-C CHAIN 7980-3 44900

LORAN-C CHAIN 7980-4 61300

LORAN-C CHAIN 7980-5 61500

LORAN-C CHAIN 7980-6 45500

LORAN-C CHAIN 7980-7 44500

30th Ed., Feb. 16/91 ■

11480

LORAN-C OVERPRINTED

CAUTION

This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

SOUNDINGS IN FATHOMS

For OMEGA coverage see reverse side

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

(Charleston Light to Cape Canaveral)

SOUNDINGS IN FATHOMS SCALE 1:469,659

11480

LORAN-C OVERPRINTED